



Division of Public Health Services

Public Health Preparedness Services

Bureau of State Laboratory Services

250 N. 17th Avenue

Phoenix, AZ 85007-3231

(602) 364-0720

(602) 364-0759 Fax

JANET NAPOLITANO, GOVERNOR

SUSAN GERARD, DIRECTOR

FAX TRANSMITTAL SHEET

DATE: May 25, 2007

TO: Laboratory Director and QA Manager

FROM: Steven D. Baker, Office Chief
Laboratory Services
State Laboratory Services

Subject: Information Update #96

PAGES: 4 (including cover)

NOTE: If any of the pages are missing, please call 1-800-952-0374, (602) 364-0734 or (602) 364-0733.

Permission to quote from or reproduce materials from this publication is granted when due acknowledgment is made.

***THIS MESSAGE AVAILABLE IN ALTERNATIVE FORMAT UPON REQUEST, BY CONTACTING:
Prabha Acharya AT (602) 364-0734.***

The ARIZONA DEPARTMENT of HEALTH SERVICES does not discriminate on the basis of disability in administration of its programs and services as prescribed by Title II of the Americans with Disability act of 1990 and Section 504 of the Rehabilitation Act of 1973.

Leadership for a Healthy Arizona



Division of Public Health Services

Public Health Preparedness Services

Bureau of State Laboratory Services

250 N. 17th Avenue

Phoenix, AZ 85007-3231

(602) 364-0720

(602) 364-0759 Fax

JANET NAPOLITANO, GOVERNOR

SUSAN GERARD, DIRECTOR

Information Update

May 25, 2007

Update #96

1. PLEASE NOTE:

Beginning immediately the on-site surveyors will perform a certain percentage of audits as unannounced audits. Once on-site, the auditors will initially concentrate on the bench work and lab workbooks (areas that have shown to be a common laboratory documentation problem) then the audit will continue to be performed as usual and lasting for the same amount of time as previous ones, granted that the scope of accreditation and laboratory workload remains the same. If you have any questions, please feel free to contact Barbara Escobar, Environmental Program Manager at 520-903-1620 or at escobab@azdhs.gov

2. Method Update Rule (3/12/2007) related items:

a) Corrections:

Information Update 94, item 6.c and Update 95, item 1.b should read as:

“An aqueous sample may be collected and shipped without acid preservation. However, acid must be added at least 24 hours before analysis to dissolve any metals that adsorb to the container walls (Footnote 19 on page ~~171~~ 41). If the sample must be analyzed within 24 hours of collection, add the acid immediately within 15 minutes of sampling ~~and transport at~~ $\leq 6^{\circ}\text{C}$; for specifics see footnote 2, page ~~161~~ 40.”

The strike- outs denote “to remove” and the underlines denote “to add”.

b) Removal of interferences and preservation in wastewater samples for cyanide testing:

From a communication with an EPA Contractor for wastewater methods, the following information was gathered:

- 1) If sulfide is not present in samples, then preserve the samples with NaOH within 15 minutes of sampling in the field, refrigerate and analyze within 48 hours.**
- 2) To extend the holding time to 14 days or if sulfide is present:**

- i. The samples must be treated for the interferences present and preserved within 15 minutes of sampling in the field and transported to the laboratory.
- ii. The labs must work with the dischargers in advance and determine the interferences present in a particular discharge ahead of sampling so that the samples can be treated with chemicals to remove those interferents and preserved within 15 minutes of sampling with NaOH in the field.

c) **Hexavalent chromium:**

Responses to questions that Engineering and Analysis Division (EAD) has received concerning the holding times for hexavalent chromium ("chromium 6") for wastewater testing in the method update rule (MUR) can be found on the ADHS website:

<http://www.azdhs.gov/lab/license/tech/infoup.htm>

d) **Flexibility to Modify CWA Methods - Automated Methods**

Letter from EPA referencing the Method Update Rule published March 12, 2007 (72 FR 11200) that allows automation of already approved methods under the Clean Water Act. Following are a list of discrete analyzers that fall into this category and the EPA letters sent to the vendors. This can be found on the ADHS website:

<http://www.azdhs.gov/lab/license/tech/infoup.htm>

e) **Frequently asked questions about the Methods Update Rule:**

This can be accessed @ <http://www.epa.gov/waterscience/methods/>

3. **Wastewater and Sewage Sludge, Final Rule (3/26/2007) related items:**

- a) This rule can be accessed @ <http://www.epa.gov/fedrgstr/EPA-WATER/2007/March/Day-26/w1455.pdf>
- b) E.coli MPN/100ml could be determined using Colilert (24 hr) or Colilert-18 (18 hr) media with Quanti-Tray or Quanti-Tray 2000.
- c) E.coli MPN/100ml could be determined using 9221F for non-AzPDES / NPDES samples only.
For AzPDES / NPDES samples, Method 9223B must be used. The communication with EPA states the following:

Prior to 26 March 2007, there were no approved methods for E. coli in wastewater (please see footnote 28 of older versions of the FRN). SM 9221F was thus only approved for use in ambient recreational waters. Please use SM 9223B, since this method has been validated in wastewater.

4. **Readycult Version 1.1:**

Readycult® Coliforms 100 Presence/Absence Test for Detection and Identification of Coliform Bacteria and *Escherichia coli* in Finished Waters, January 2007, Version 1.1 method was Director Approved for drinking water testing.

5. The list of Arizona commercial labs licensed for drinking water testing with the corresponding licensed parameters can be found at the following ADHS website:

<http://www.azdhs.gov/lab/license/env.htm>

6. Please contact Prabha Acharya @ (602) 364-0734 or acharyp@azdhs.gov for any technical or method related questions. The earlier Information Updates can be accessed @ <http://www.azdhs.gov/lab/license/tech/infoup.htm>